## **INTERNATIONAL SEARCH REPORT**

Interi 1al Application No PCT/IB 03/02886

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER H03M3/02								
According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED									
Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched .									
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)									
EPU-In	ternal, INSPEC, PAJ, IBM-TDB, WPI D	ata							
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with Indication, where appropriate, of the r	elevant passages	Relevant to claim No.						
<b>X</b>	US 2002/057214 A1 (BR00KS TODD) 16 May 2002 (2002-05-16) abstract; figures 2,3 page 2, paragraph 42 page 2, paragraph 47 -page 3, pa page 3, paragraph 50 - paragraph	1,3-7,9, 10							
Α	NORSWORTHY S R: "Effective dithering of sigma-delta modulators", PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS. SAN DIEGO, MAY 10 - 13, 1992, PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS. (ISCAS), NEW YORK, IEEE, US, VOL. VOL. 4 CONF. 25, PAGE(S) 1304-1307 XPO10061387 ISBN: 0-7803-0593-0								
Furt	ther documents are listed in the continuation of box C.	χ Patent family	members are listed in annex.						
* Special.ca	ategories of cited documents:	*T" later document out	iched after the international filling date						
consi	ont defining the general state of the art which is not dered to be of particular relevance document but published on or after the international	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention							
filing date  "L" document which may throw doubts on priority claim(s) or		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention							
*O* document referring to an orel disclosure, use, exhibition or other means *P* document published prior to the international filing date but		cannot be considered to involve an inventive step when the document is combined with one or more other such docu- ments, such combination being obvious to a person skilled in the art.							
latert	han the priority date claimed actual completion of the international search	*&" document member of the same patent family							
·	actual completion of the international search	Date of mailing of the international search report  04/02/2004							
	mailing address of the ISA	Authorized officer							
European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016		Oliveira, J.							

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